PEACE/WILLISTON
FISH & WILDLIFE
COMPENSATION
PROGRAM

BC hydro

BRITISH
COLUMBIA

A Reconnaissance Survey Of Wright Lake

A. R. McLean and D. A. Jesson
1990

PWFWCP Report No. 102

105-02906/

The Peace/Williston Fish & Wildlife Compensation Program is a cooperative venture of BC Hydro and the provincial fish and wildlife management agencies, supported by funding from BC Hydro. The Program was established to enhance and protect fish and wildlife resources affected by the construction of the W.A.C. Bennett and Peace Canyon dams on the Peace River, and the subsequent creation of the Williston and Dinosaur Reservoirs.

Peace/Williston Fish and Wildlife Compensation Program, 1011 Fourth Ave. 3rd Floor, Prince George B.C. V2L 3H9

Website: *www.bchydro.bc.ca/environment/initiatives/pwcp/*

This report has been approved by the Peace/Williston Fish and Wildlife Compensation Program Fish Technical Committee.

Citation: A. R. McLean and D. A. Jesson. 1990. A reconnaissance survey of Wright Lake. Peace/Williston Fish and Wildlife Compensation Program, Report No. 102. 20pp plus appendices.

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A RECONNAISSANCE SURVEY OF

WRIGHT LAKE

WATERSHED: PEACE RIVER

DATE OF SURVEY: JULY 7. 8. 1990

FIELD CREW LEADER: D. A. JESSON

FIELD ASSISTANT: A. R. MCLEAN

REPORT PREPARED BY: A. R. MCLEAN and
D. A. JESSON

WILLISTON FISHERIES PROJECT

B. C. HYDRO

ENVIRONMENTAL RESOURCES

and

MINISTRY OF ENVIRONMENT

RECREATIONAL FISHERIES BRANCH

RELEASED BY: Ted Down

Ted Down, Regional Fisheries Biologist

LAKE: WRIGHT **SYSTEM NAME: GETHING C.**

A.S.A.P. REFERENCE NO.: **SYSTEM NO: 20-1000**

DATA ON FILE FOR THIS SURVEY

Location	X	Dissolved O2/Temp. Profiles	X
Physical Data	X	Winter Dissolved 02/Temp. Profiles	X
Bench Mark	X	Netting Record	X
Terrain Features	X	Lake Catch Summary	X
Access	X	Individual Fish Data	
Resorts and Campsites	X	Fish Preserved	
Other Developments	X	Stomach Analysis	
Obstructions and Pollutions	X	Scale Reading	
Special Restrictions	X	Location of Inventory Sites	X
Aquatic Plants	X	Photograph Directory	X
Wildlife Observations	X	Appendices:	
Miscellaneous Comments	X	A: Water Chemistry Analysis	X
Lake Drainage	X	B: Tributary Stream Data	X
Fisheries Management Comments	X	Bathymetric Map Reduction	X
History of Previous Surveys	X	Bathymetric Map	X
Water Chemistry Summary	X		

LOCATION

Location: 41 km SW of Hudson's Hope
Elevation: 1042 m +/-
Latitude/Longitude: 55°53'39":122°30'23" U.T.M.: 10.5310.61942
Management Unit: 7-31 N.T.S. Map No.: 930/15,0/16

Drainage: Gething C.–>Peace R.

PHYSICAL DATA

Lake Drainage Area:	km^2	Volume:	1,490,000 m^3
Water Surface Area:	232,000 m^2	Flushing Rate:	
Area above 6 m contour:	117,000m^2	Perimeter of Islands:	100 m
Shoreline Perimeter:	3,350 m	Number of Islands:	1
Maximum Depth:	13.0m	Mean Depth:	6.4 m
Filterable Residue (TDS):	138 mg/l	Secchi Reading:	2.45m

Sounding Device: Lowrance X-15 Elevation Source: Lake elevation indicated on N.T.S. map 93 0/16, edition 3.

BENCHMARK

(Iron spike, center of red circle) located 3.0 m above present water level in a 35 cm diameter spruce tree, located on the north shore of the lake. The tree is approximately 4.8 m from the water's edge.

High water mark: 1.3 m above water level at time of survey.
Lake water level has lowered due to the breaching of outlet beaver dams.

Lake: **WRIGHT**

TERRAIN FEATURES

Immediate Shoreline:

The recent breaching of beaver dams on Gething C. (outlet of Wright Lake) has caused the lake water level to drop approximately 1.3 m. The result is a transition from a predominately treed shoreline, consisting mainly of spruce, alder, and some fir, to a shoreline dominated by terrestrial grasses growing between cobble and boulder sized shale. Marsh is present at the SW and NE (outlet) ends of the lake. The NE marsh and associated shallow bay are nearly isolated due to the drop in water level. Access from land to water is restricted to the marsh ends of the lake, with the outlet end best. Little deadfall is present around the perimeter of the lake making for good access by boat to shore. A small treed (spruce) island is located near the SW end of the lake. A cobble (shale) shoal exists along the west shore of the island, presenting a possible hazard for boats equipped with outboards. The lake bottom drops off quickly from the north and south shores reflecting the mountainous topography of the area.

Surrounding Country:

Located in the Rocky Mountains, Wright Lake is surrounded on the north and south shores by steep mountains, with flatter valley bottoms at the NE (outlet) and SW ends of the lake. Exposed bedrock peaks and outcrops are visible to the north and south, adding to the picturesque beauty of the area. The forest cover is first growth, complete and dense. Spruce, fir, and cottonwood, with some birch and alder, are the dominant species growing on the north shore mountain side. The south shore mountain side is dominated by coniferous species, mainly spruce and fir.

Wright Lake is situated within the boreal white and black spruce biogeoclimatic zone.

Lake: **WRIGHT**

ACCESS

Directions:

At present, ground access is restricted to a possible trail which leads to a trapper's cabin located at the NE end of the lake.
A cutblock is located 550 m NE of Wright Lake. Access by vehicle to the cutblock is by a winter logging road. Access during other times of the year is restricted to all-terrain vehicle (Personal communication, Mark Seldinger, Canadian Forest Products, Chetwynd).
Alternately, access is via a 15 minute helicopter flight from Carbon Lake Lodge (helicopter originating from Fort St. John).

Road Type and Conditions:

None.

Restrictions:

No restrictions were noted.

RESORTS AND CAMPSITES

None. Discussions are in progress with the Forest Service in Dawson Creek with respect to establishing a trail to the lake and a "wilderness" recreation site at the NE end of the lake. Trail access would be from a cutblock located 550 m NE of Wright Lake.

OTHER DEVELOPMENTS

An old trapper's cabin is located at the NE end of the lake.

Lake: **WRIGHT**

OBSTRUCTIONS AND POLLUTIONS

A bedrock (shale) chute/falls is located approximately 300 m downstream of the lake on Gething Creek. A vertical drop of 2.16 m over a horizontal distance of 14 m (approximately 15%) was noted. The chute/falls is a possible obstruction to upstream fish migration. A new beaver dam, 85 m downstream from the lake on Gething C., is in construction and may develop into an obstruction to upstream salmonid migration.

SPECIAL RESTRICTIONS

No special restrictions were noted. If a sports fishery is established on this lake, a motor restriction may be warranted to preserve the wilderness experience.

AQUATIC PLANTS

Aquatic plants are sparse; however, Myriophyllum sp. and Potamogeton sp. are abundant at both ends of the lake, especially the NE bay. The following species were identified in the field. None were collected.

Myriophyllum sp.	Potamogeton sp.
Ceratophyllum sp.	sedge grass

WILDLIFE OBSERVATIONS

One marmot, two moose and several birds were observed.

MISCELLANEOUS COMMENTS

A recently constructed seismic trail parallels the north shore.
Several small suckers were noted in the outlet.
Numerous frogs and tadpoles were sighted in and around the lake.

Bathymetric map: The lake outline is from an enlargement of aerial photograph BC 800043 No. 272, flown June 8, 1980.

Lake: **WRIGHT**

LAKE DRAINAGE

General:

Wright Lake has numerous seasonal inlets (9) and one outlet. The outlet, Gething C., drains NE approximately 25 km to its confluence with Dinosaur Lake (Site 1 reservoir). NTS map 94 B/1, edition 2, indicates falls and rapids are located on Gething C. nears its confluence with Dinosaur Lake. The falls are a barrier to upstream fish migration (Ted Euchner, Recreational Fisheries, Fort St. John, personal communication).

Major Systems:

Gething C. - outlet

Wright Lake is the headwaters to Gething Creek. Until recently, the water level in Wright Lake was controlled by a series of 3 beaver dams located at 80 to 180 m downstream of the lake. Breaching of the dams has lowered the lake level 1.3 m. A new dam, as evidenced by fresh cuttings, is being constructed 85 m downstream of the lake. This dam was 4.8 m in length and 20 cm in height. At approximately 110 m downstream from the lake, the average wetted width was 2.2 m and the average depth 22 cm. The stream gradient was approximately 1% with a water temperature of 15°C. Spawning habitat in the initial 250 m of stream was poor to fair due to low gradient and the high percentage of sands/fines. Rearing potential in the outlet ranged from fair to good, with some deeper pools (to 0.5 m), undercut banks and overhang providing cover. Some boulder/cobble cover was present approximately 225-250 m downstream. At approximately 300 m downstream of the lake, stream gradient increases. At approximately 320 m downstream, the stream passes through a bedrock (shale) canyon. Stream gradient at this point is approximately 15%, with the canyon being an obstruction to upstream fish migration.

Refer to stream data sheets for additional outlet information.

Minor Systems:

Unnamed Creeks - inlets

A total of 9 seasonal inlets enter Wright Lake, draining the marsh area at the SW end of the lake and the mountains along the north and south shores.
The inlets offer no fisheries potential.

Lake: **WRIGHT**

FISHERIES MANAGEMENT COMMENTS

Wright Lake supports a large population of stunted, longnose sucker, with one overnight net set producing 273 fish. The majority of suckers were approximately 10 cm in length with only two individuals greater than 29 cm. Favourable winter and summer oxygen/temperature measurements indicate Wright Lake is suitable for stocking with native rainbow trout. An initial spring stocking of 8000 (10 gram) native rainbow trout by helicopter is suggested. Once trail access is established, the lake should be managed for a low to moderate use fishery.

A large population of stunted suckers may indicate significant competition for limited food resources, particularly given the short growing season. Stocked trout should be monitored to determine if they are able to successfully compete with the suckers. If not, an alternate strategy will have to be considered.

Possible outlet enhancements include the introduction of spawning gravel and habitat complexing over the first 250 m of stream. At present, spawning habitat is poor to fair due to the high percentage of sand/fines. Besides providing recruitment back to the lake, spawning improvement may control any spawnbound condition as a result of a stocking program. Increasing rearing habitat through the introduction of cover (large organic debris, root wads) may provide for the recruitment of 1 + and 2+ rainbow back to the lake. The larger sized rainbow juveniles may be able to compete more successfully with the established sucker population. It is realized any outlet enhancement will require a yearly program of maintenance against beaver dam construction. Due to the cost of stocking by helicopter, a self sustaining population would be desirable, however, given the beaver situation at Wright Lake, a periodic stocking program may be more realistic.

In order for rainbow trout to gain access to the outlet in times of low lake levels, a deeper channel may need to be excavated between the main lake and the bay/marsh area at the outlet end. The channel presently has a maximum depth of 30 cm. Ditching to 0.7 m (maximum bay/marsh depth) should be sufficient.

HISTORY OF PREVIOUS SURVEYS

Lake Surveys:

Anonymous. Unpublished data sheets containing water chemistry analysis and water oxygen/temperature data at Wright Lake on February 21, 1990. Ministry of Environment, Fort St. John, British Columbia.

Other Related Surveys:

None known.

Lake: **WRIGHT**

WATER CHEMISTRY SUMMARY **Limnology Station No. 1**

Field Conditions:

Date:	July 8, 1990		
Time:	1300 hrs	Air Temperature:	14°C
Wind Velocity:	20 km/hr	Wind Direction:	SW
Cloud Cover:	10/10 o.c.	Surface Condition:	Chop, white caps
Secchi Disc:	2.45 m	Water Colour:	slightly tannic

Method(s) Used:

Dissolved Oxygen:	YSI model 58 oxygen/temperature meter
Water Temperature:	YSI model 58 oxygen/temperature meter
Air Temperature:	Hand-held alcohol thermometer
pH (field):	Digital pH pocket tester
H2S (field):	Hach H2S field test kit
Laboratory Used:	Zenon Environmental Inc. B.C. Laboratory Services
Water Sampler:	Verticle Alpha Water Bottle (Vandorn)
Substrate Sampler:	Substrate sample not taken

Water Sample Chemistry: SEAM Site No.: Not determined

	Sampling Depths	
	Surface (O m)	Lower (11.5 m)
pH (field)	8.8	8.0
pH (lab)	8.3	7.7
Specific Conductance (lab)	210 umhos/cm	210 umhos/cm
Filterable Residue 105°C (lab)	138 mg/l	140 mg/l
H2S (field)	- mg/l	0.0 mg/l

Bottom Depth: 12.5 m
Substrate Sample Depth: - m

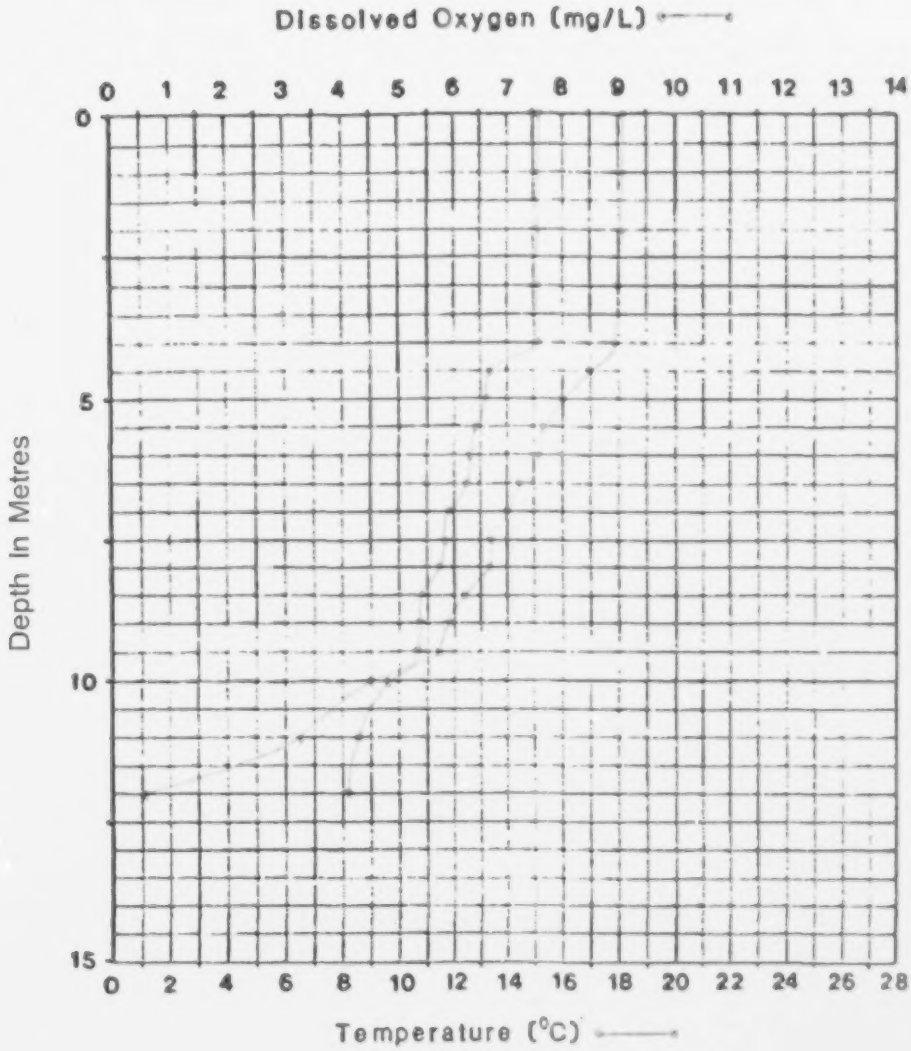
Lake: **WRIGHT**

DATE: July 8, 1990

SUMMER OXYGEN/TEMPERATURE DATA

Depth (m)	02 (mg/l)	Temp (°C)
surface	9.1	15.2
1.0	9.1	15.2
2.0	9.1	15.2
3.0	9.0	15.2
4.0	8.9	15.1
4.5	8.5	13.3
5.0	8.0	13.2
5.5	7.7	12.9
6.0	7.6	12.7
6.5	7.3	12.4
7.0	7.0	11.9
7.5	6.7	11.7
8.0	6.7	11.5
8.5	6.3	10.9
9.0	5.9	10.8
9.5	5.7	10.7
10.0	4.5	9.6
11.0	3.3	8.7
12.0	0.6	8.1
12.5	Bottom	

DISSOLVED OXYGEN AND TEMPERATURE PROFILE



Lake: **WRIGHT**

DATE: February 21, 1990

WINTER OXYGEN/TEMPERATURE DATA

Depth (m)	02 (mg/l)	Temp (°C)
surface	12.8	0.0
1.0	12.6	0.0
2.0	12.3	0.5
3.0	12.1	0.5
4.0	11.8	0.75
5.0	11.5	0.75
6.0	10.9	0.75
7.0	10.2	1.0
8.0	9.0	1.0
9.0	8.3	1.0
10.0	7.2	1.25
11.0	3.75	1.5
12.0	1.05	2.0
13.0	0.70	2.0

Comments:
Winter oxygen/temperature data collected by Ministry of Environment, Fisheries Branch, Fort St. John.

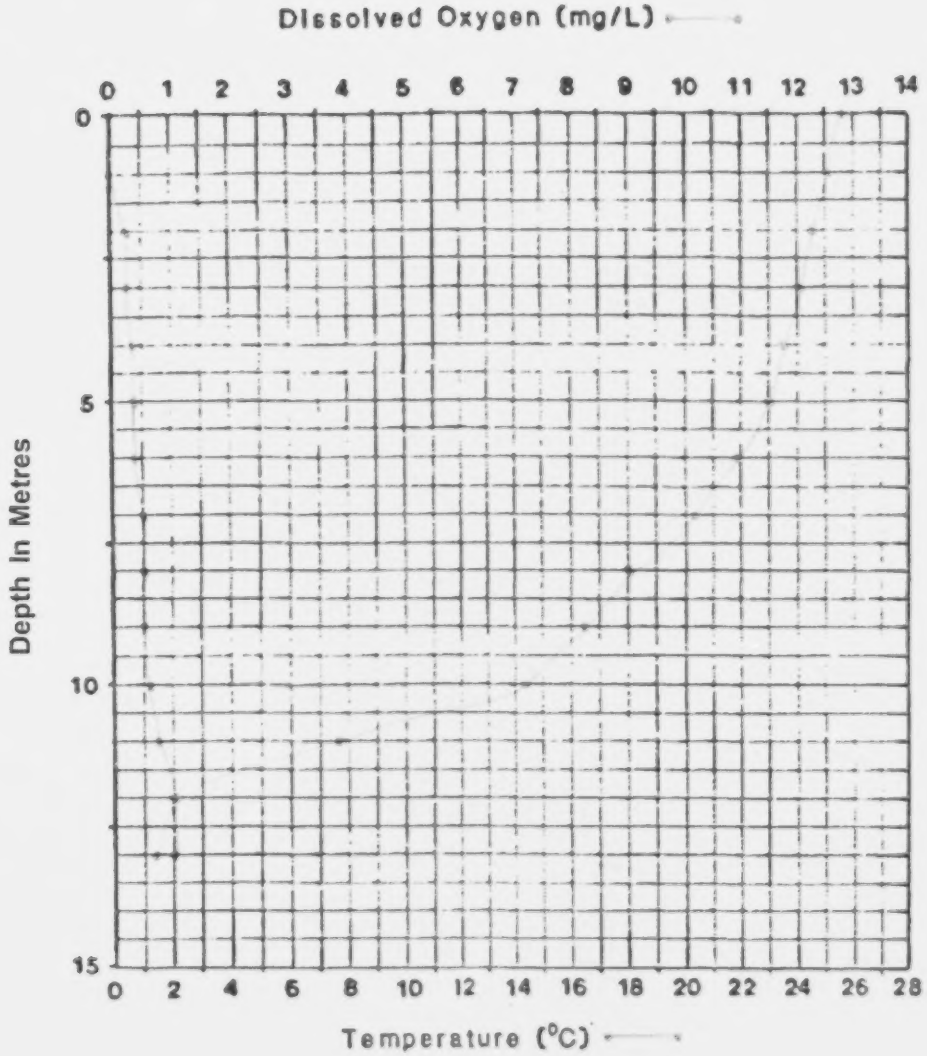
Surface is referenced from top of ice.

LAKE:

DATE:

WINTER

DISSOLVED OXYGEN AND TEMPERATURE PROFILE



Lake: **WRIGHT**

NETTING RECORD

Mesh sizes experimental order: 25, 76, 51, 89, 38, 64 mm

NETTING SITE #1

Type:	Sinking monofilament		
Date Set:	July 7, 1990	Time:	1300 hrs
Date Lifted:	July 8, 1990	Time:	1000 hrs
Net Dimensions:	Length: 91.4 m	Depth:	2.4 m
Shallow End Mesh Size:	25 mm	Depth:	1.5 m
		Substrate:	Small/large gravel
Deep End Mesh Size:	64 mm	Depth:	12.0 m
		Substrate:	Organics

Comments:

Net contained stunted longnose suckers only.

Lake: **WRIGHT**

LAKE CATCH SUMMARY

SPECIES	NET SITE NO.				ANGLED	OTHER	TOTAL	NUMBER SAMPLED	NUMBER PRESERVED	SIZE RANGE (cm)
	1	2	3	4						
Longnose sucker	273	-	-	-	--	--	273	--	--	9.3 - 35.5

Comments:

The majority of suckers were approximately 10.0 cm; only 2 suckers were 29+ cm.

Minnow Traps:

BAIT: Sardines

#	HOURS	DEPTH (m)	SUBSTRATE	SPECIES	SIZE RANGE (cm)
1	21.5	0.5	organic	2 longnose sucker	7.0 and 10.0
2	21.5	1.0	cobble	2 longnose sucker	average 7.0
3					

Comments:

LOCATION OF INVENTORY SITES

Figure 1

Lake: Wright
Reference No.: B.C. 80043:272
Reference Date: June 8, 1980
Scale: 1: 6854

Note: The airphoto does not depict the true lake shoreline, especially the NE end of the lake, at the time of survey.
Refer to the bathymetric map for shoreline detail at the time of survey.

Lake: **WRIGHT**

PHOTOGRAPH DIRECTORY

Negative #	Plate #	Description
R6:3A	1	Aerial view of Wright Lake looking NE toward outlet end.
R6:18A. 19A	2	Panoramic view of Wright Lake shoreline looking SW from NE end of the main lake body.
R6:16A, 17A	3	Panoramic view of shallow bay/marsh at NE (outlet) end of lake. The channel to the left in the photo connects the marsh to the main body of the lake.
R7:3	4	View of typical intermittent inlet draining marsh area at SW end of lake.
R7:4	5	Aerial view of Gething C. (outlet), looking NE from lake.
R7:6	6	Aerial view of Gething C. Arrow indicates the location of old trapper's cabin(s).
R6:8A	7	View looking downstream at breached beaver dam on Gething C., located approximately 80 m downstream from the lake. Until recently, the dam controlled Wright Lake water levels.
R6:9A	8	View looking upstream at beaver dam under construction on Gething C. The dam is located approximately 85 m downstream of the lake and is 20 cm in height. (Note breached beaver dam at 80 m in background.)
R6:11A	9	View looking downstream at sample site #1 on Gething C., approximately 110 m downstream from lake.
R6:10A	10	View looking upstream at sample site #1 on Gething C., approximately 110 m downstream from lake.
R6:12A	11	View looking upstream at sample site #2 on Gething C., approximately 320 m downstream from lake. At this point the creek passes through a bedrock (shale) canyon.

Lake: WRIGHT

Plate 1: Aerial view of Wright Lake looking NE toward outlet end.

Plate 2: Panoramic view of Wright Lake shoreline looking SW from NE end of main lake body.

Plate 3: Panoramic view of shallow bay/marsh at NE (outlet) end of lake. The channel to the left in the photo connects the marsh to the main body of the lake.

Plate 4: View of typical intermittent inlet draining marsh area at SW end of lake.

Plate 5: Aerial view of Gething C. (outlet) looking NE from lake

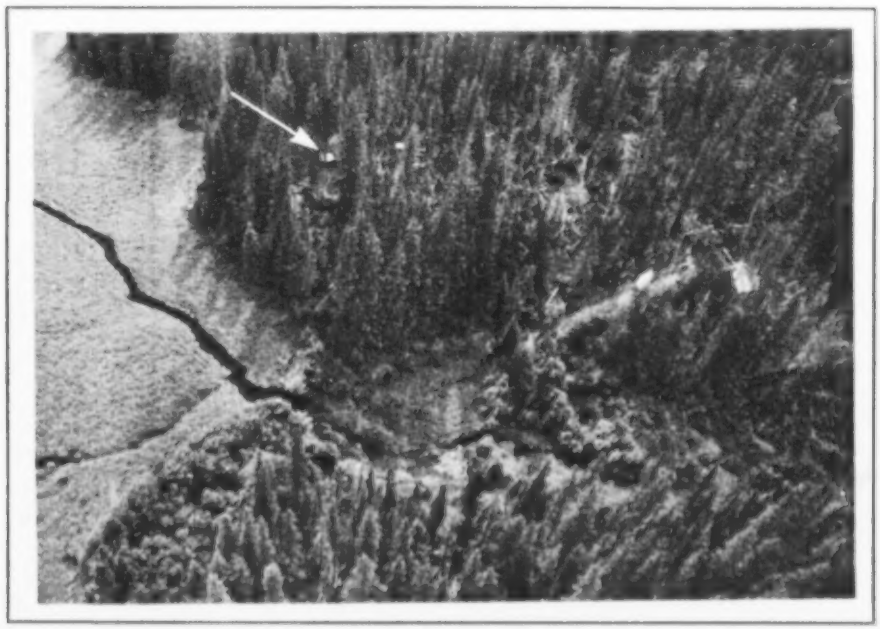


Plate 6: Aerial view of Gething C.
Arrow indicates the location of old trapper's cabin(s).

Plate 7: View looking downstream at breeched beaver dam on Gething C., located approximately 80 m downstream from lake. Until recently, the dam controlled Wright Lake water levels.

Plate 8: View looking upstream at beaver dam under construction on Gething Creek. The dam is located approximately 85 m downstream of the lake and is 20 cm in height. (Note breeched beaver dam at 80 m in background.)

Plate 9: View looking downstream at sample site #1 on Gething C., approximately 110 m downstream from lake.

Plate 10: View looking upstream at sample site #1 on Gething C., approximately 110 m downstream from lake.

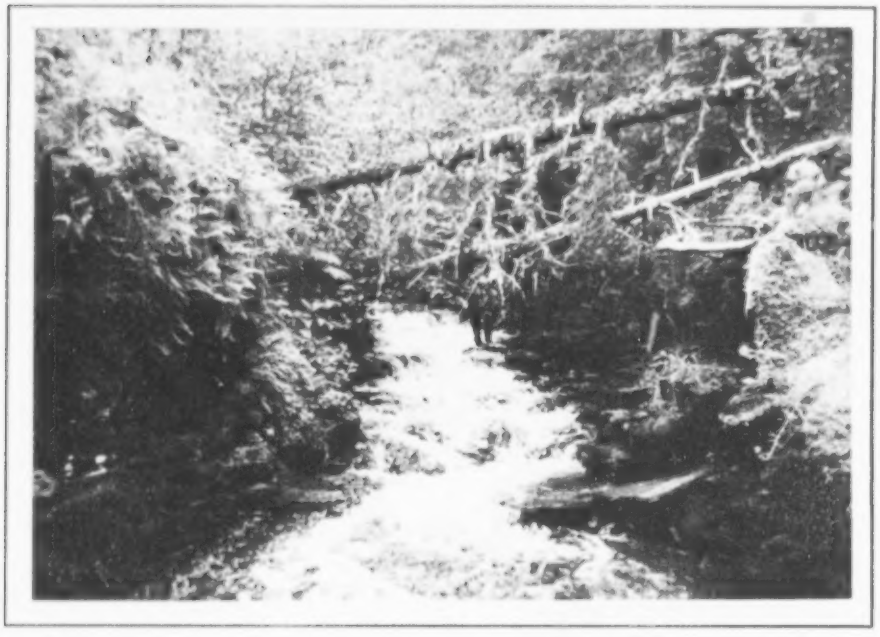


Plate 11: View looking upstream at sample site #2 on Gething C., approximately 320 m downstream from the lake. At this point the creek passes through a bedrock (shale) canyon.

Lake: WRIGHT

Appendix A

LABORATORY REPORT

Water Chemistry Analysis

01-Aug-90 ZENON ENVIRONMENTAL INC. Jesson Page- 1
B.C. LABORATORY SERVICES
Report for form 03000051
FISH - PRINCE GEORGE ATTN: WESTCOTT R G

Site: NOSITE WRIGHT LK

Submitted by (86217) WESTCOTT R G

Address (00) ENVIRONMENT & PARKS
ROOM 325 1011 4TH AVENUE
PRINCE GEORGE B C
V2L 3H9

B.C. MINISTRY OF ENVIRONMENT
AUG 03 1990
RECEIVED
PRINCE GEORGE, B.C.

Phone No 565-6944

Audit Sample ( )
Client study reference code ( )
Sampling agency code (91)

Site (NOSITE) WRIGHT LK

Sample Adjective ( )
Sample State (FW) Fresh Water
Sample Descriptor ( ) Undefined

This form was processed to the computer on 10-JUL-1990 as REGULAR
The cost for analyzing samples for this form is

Routine analysis	$	278.66
Special analysis	$	0.00
Total	$	278.66

Site: ROSITE WRIGHT LK

From : 90/07/08: 0001 To : 90/07/08: 0001
Depth Range : 0.0 0.0 Tide :
Sample State: Fresh Water
Sample Comment:

Parameter Description	Result	Units	Analytical Technique (Sparcode/Medium/Pres'n)
pH	8.3	pH units	Automated pH Meter (00041220/02/01)
Residue Nonfilt	3	mg/L	Grav. 9 cm Buchner, 105C (00081070/02/01)
Specific Conductance	210	uS/cm	Cond.Meter Siebold (00111160/02/01)
Res Filterable 1.0u	138	mg/L	Gravimetric 1.0u Filter (00/H1032/02/01)
Alkalinity Total 4.5	94.7	mg/L	Automated Electrometer (01021210/02/01)
trogen Organic-Tot	0.40	mg/L	Calculated Result (0112CALC/--/--)
Nitrogen Kjel Tot(N)	0.50	mg/L	Block Dig.Auto Color (01131360/02/01)
Nitrogen Total	0.90	mg/L	Calculated Result (0114CALC/--/--)
Nitrogen Amm Diss(N)	0.096	mg/L	Automated Berthelot meth (11061351/02/01)
Nitrogen NO3+NO2 Dis	< 0.02	mg/L	Auto. Cadmium Reduction (11091350/02/01)
Phosphorus Ort Dis-P	< 0.003	mg/L	Auto Ascorbic Acid (11181380/02/01)
Phosphorus Total	0.024	mg/L	Dig.Auto.Ascorbic Acid (P--T1390/02/01)
Phosphorus Tot Diss	0.007	mg/L	Dig.Auto.Ascorbic Acid (P--D1390/02/01)

FISH - PRINCE GEORGE ATTN WESTCOTT R G Sample 90005438

Site NOSITE WRIGHT LK

From : 90/07/08.0002 To : 90/07/08.0002
Depth Range : 11.5 11.5 Tide :
Sample State Fresh Water
Sample Comment

Parameter Description	Result	Units	Analytical Technique (Sparcode/Medium/Pres'n)
pH	7.7	pH units	Automated pH Meter (00041220/02/01)
Residue Nonfilt	3	mg/L	Grav. 9 cm Buchner, 105C (00081070/02/01)
Specific Conductance	210	uS/cm	Cond Meter Siebold (00111160/02/01)
Res. Filterable 1.0u	140	mg/L	Gravimetric 1.0u Filter (007H1032/02/01)
Alkalinity Total 4.5	102	mg/L	Automated Electrometer (01021210/02/01)
trogen Organic-Tot	0.20	mg/L	Calculated Result (0112CALC/--/--)
Nitrogen Kjel Tot(N)	0.28	mg/L	Block Dig.Auto.Color (01131760/02/01)
Nitrogen Total	0.31	mg/L	Calculated Result (0114CALC/--/--)
Nitrogen Amm Diss(N)	0.061	mg/L	Automated Berthelot meth (11081351/02/01)
Nitrogen NO3+NO2 Dis	0.03	mg/L	Auto Cadmium Reduction (11091350/02/01)
Phosphorus Ort Dis-P	0.009	mg/L	Auto.Ascorbic Acid (11181380/02/01)
Phosphorus Total	0.019	mg/L	Dig.Auto.Ascorbic Acid (P--T1390/02/01)
Phosphorus Tot Diss	0.007	mg/L	Dig.Auto.Ascorbic Acid (P--D1390/02/01)

Appendix B

TRIBUTARY STREAM DATA

Lake: **WRIGHT**

System Name: **Gething C.** **Outlet**

System No.: **20-1000**

Site location: Sample Site #1, 110 metres downstream of Wright Lake.

Date:	July 7, 1990	Time:	1730 hrs
Channel Width:	15.2 m	Water Temp.:	15 °C
Wetted Width:	2.2 m	Stage (flow):	moderate
Max. Depth:	0.42 m	Velocity:	0.75 m/sec
Avg. Depth:	0.22 m	Field Gradient:	1%
Turbidity:	0.42 m+	Colour:	slightly tannic

Flood Signs:
Height: 0.22
Type: eroded bank

Substrate Breakdown:

Fines	Small Gravel	Large Gravel	Cobble
15%	60%	20%	5%

Boulder	Bedrock
0%	0%

Substrate Compaction: low Sand: 40 %

Banks:

	Form	Height	Stability
Right	undercut	20 cm	stable: rooted vegetation
Left	steep	30 cm	stable

Comments:
Site is a riffle.
Spawning poor to fair due to high percentage of fines/sand.
Rearing fair due to some deeper pools and undercut banks.
Field gradient measured over 20 m.

Lake: **WRIGHT**

System Name: **Gething C.** **Outlet**

System No.: **20-1000**

Site location: Sample Site #2, 320 metres downstream of Wright Lake.

Date:	July 7, 1990	Time:	1800 hrs
Channel Width:	3.2 m	Water Temp.:	15 °C
Wetted Width:	2.9 m	Stage (flow):	moderate
Max. Depth:	0.20 m	Velocity:	Estimate 1.5 m/sec
Avg. Depth:	0.15 m	Field Gradient:	15%
Turbidity:	- m	Colour:	--

Flood Signs:
Height: --
Type: --

Substrate Breakdown:

Fines	Small Gravel	Large Gravel	Cobble
0%	0%	0%	0%

Boulder	Bedrock
0%	100%

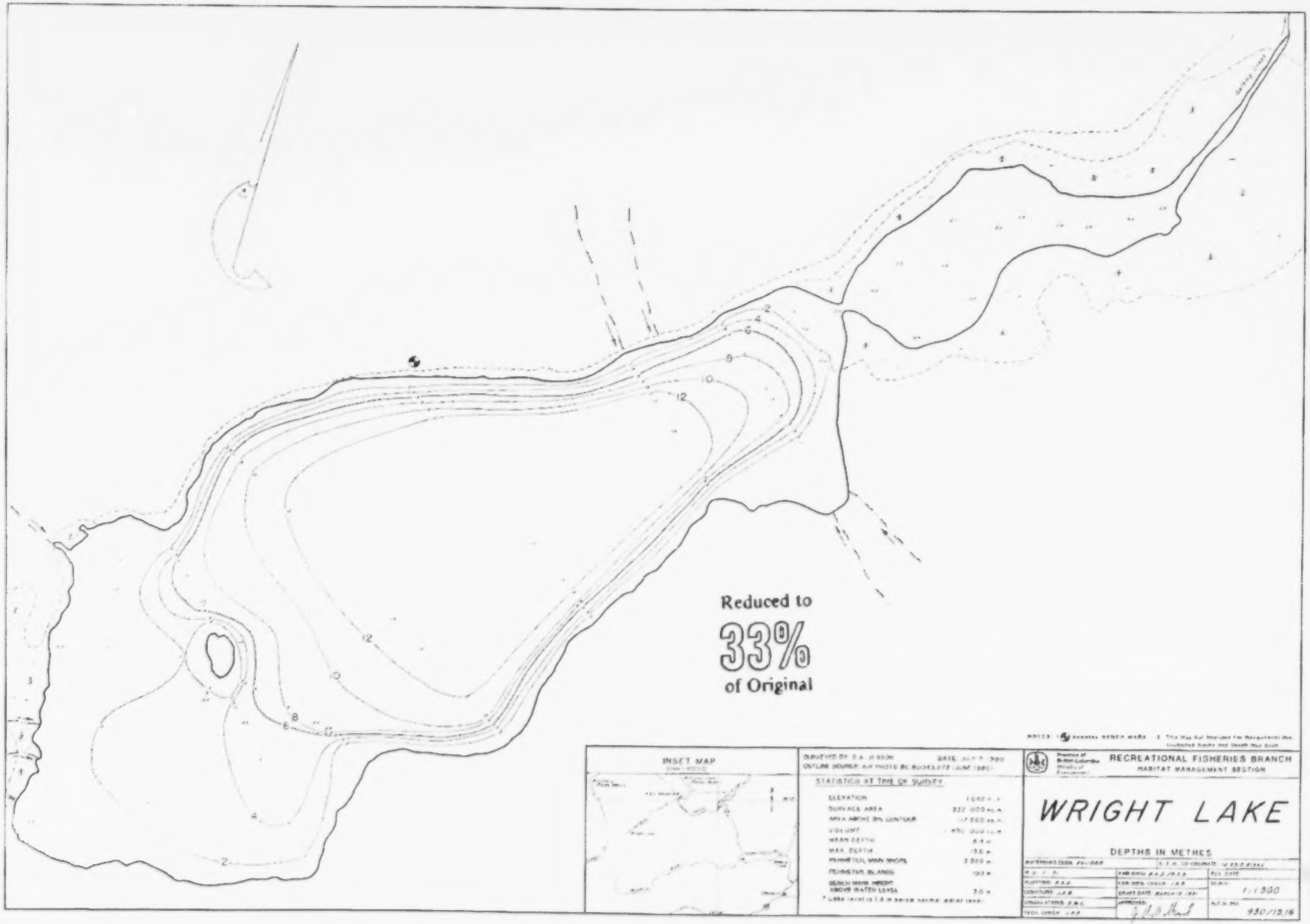
Substrate Compaction: high Sand: --

Banks:

	Form	Height	Stability
Right	steep	2.0m	stable: bedrock
Left	steep	2.0m	stable: bedrock

Comments:

Stream flows through a bedrock (shale) canyon at this point.


Reduced to
33%
of Original
INSET MAP
RECREATIONAL FISHERIES BRANCH
HABITAT MANAGEMENT SECTION
WRIGHT LAKE
DEPTHS IN METRES
1:1500
930/12/16